WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL ABNORMAL NORMAL

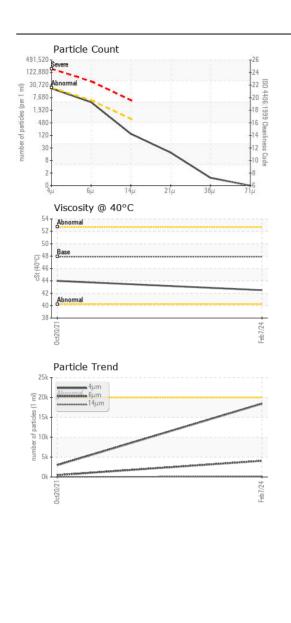


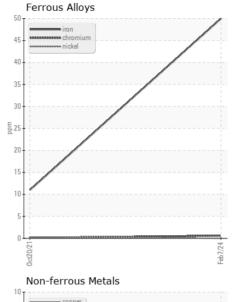
(351064) Machine Id 122398-1216

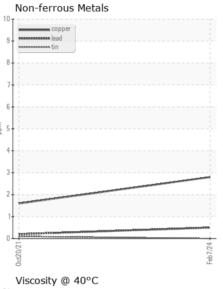
Component Hydraulic System

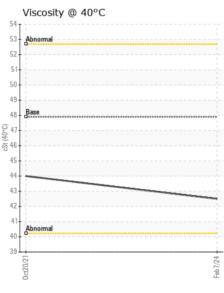
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the	Sample Number		Client Info		LH0281244	LH0202591	
	Sample Date		Client Info		07 Feb 2024	20 Oct 2021	
	Machine Age	hrs	Client Info		5387	584	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
sample as received from the customer. The condition of the sample	Filter Changed		Client Info		N/A	N/A	
and the method of sampling cannot be verified.	Sample Status				ABNORMAL	NORMAL	
WEAD			ACTM DE10E()		F0	44	
WEAR	Iron	ppm	ASTM D5185(m)	>60	50	11	
Light concentration of visible metal present.	Chromium	ppm	ASTM D5185(m)		<1	<1	
	Nickel	ppm	ASTM D5185(m)	>10	0	<1	
	Titanium	ppm	ASTM D5185(m)		0	0	
	Silver	ppm	ASTM D5185(m)	-	0	0	
	Aluminum	ppm	ASTM D5185(m)		<1	<1	
	Lead	ppm	ASTM D5185(m)	>5	<1	<1	
	Copper	ppm	ASTM D5185(m)		3	2	
	Tin	ppm	ASTM D5185(m)	>5	0	<1	
	Vanadium	ppm	ASTM D5185(m)		0	0	
	White Metal	scalar	Visual*	NONE	▲ LIGHT	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185(m)	\15	<1	<1	
CONTAMINATION	Potassium	ppm	ASTM D5185(m)		<1	1	
Light concentration of visible dirt/debris present in the oil. The system cleanliness is acceptable for your target ISO 4406 cleanliness code.	Water	ppm	WC Method	>0.1	NEG	NEG	
	Particles >4µm		ASTM D7647		18425	2965	
	Particles >4µm		ASTM D7647		4069	472	
			ASTM D7647				
	Particles >14µm				125	23	
	Particles >21µm		ASTM D7647		16	4	
	Particles >38µm		ASTM D7647		1	0	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c) Visual*	NONE	21/19/14	19/16/12	
	Silt	scalar			VLITE	NONE NONE	
	Debris Sand/Dirt	scalar	Visual* Visual*	NONE	▲ LIGHT NONE	NONE	
		scalar			NORML	NORML	
	Appearance	scalar	Visual*	NORML	_	NORML	
	Odor Emulsified Water	scalar	Visual*	NORML >0.1	NORML NEG	NEG	
	Emuisined water	Scalai	VISUAI	>0.1	NEG	INEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		<1	<1	
	Boron	ppm	ASTM D5185(m)	0	<1	<1	
The oil is no longer serviceable as a result of the abnormal and/or severe wear.	Barium	ppm	ASTM D5185(m)		0	0	
	Molybdenum	ppm	ASTM D5185(m)		0	<1	
	Manganese	ppm	ASTM D5185(m)		<1	<1	
	Magnesium	ppm	ASTM D5185(m)		4	5	
	Calcium	ppm	, ,	100	555	944	
	Phosphorus	ppm	ASTM D5185(m)		637	601	
	Zinc	ppm	ASTM D5185(m)	850	752	677	
	Sulfur	ppm	ASTM D5185(m)	1600	2756	3473	
	Visc @ 40°C	cSt	ASTM D3103(m) ASTM D7279(m)	47.9	42.5	44.0	
	V130 @ 40 0	COL	MOTIVIDICIO(III)	T1.3	72.0	77.0	•













CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Unique Number : 5736418

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : LH0281244 Lab Number : 02619308

Received **Tested**

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

: 01 Mar 2024 Diagnosed

: 04 Mar 2024 : 04 Mar 2024 - Kevin Marson **American Iron and Metal** 75 Steel City Court

Hamilton, ON **CA L8H 3Y2**

Test Package : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, PrtCount, PtDibittarc): Heavy Equipment hamilton mobile as set maintenance @ aim-recycling.comTo discuss this sample report, contact Customer Service at 1-800-268-2131.

T: (905)547-5533 F: (905)544-5671